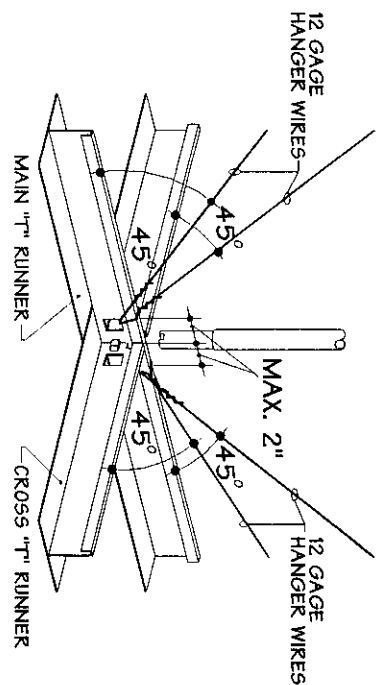


ATTACH COMPRESSION STRUT TO STRUCTURE ABOVE AND AT INTERSECTION OF "T" RUNNERS

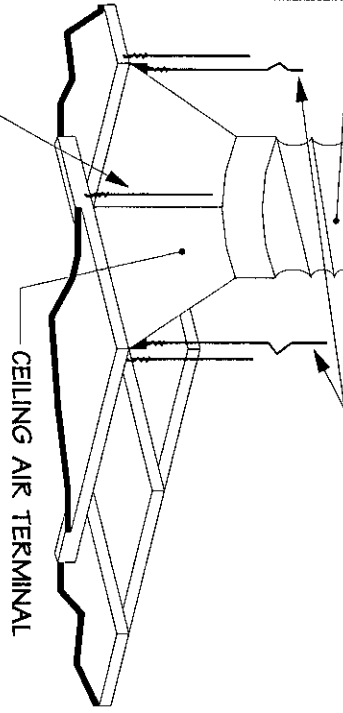


LATERAL FORCE BRACING

A

AIR DUCT

(2) #12 GAUGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE THESE WIRES MAY BE SLACK



CEILING AIR TERMINAL

T-BAR GRID SHALL BE SUPPORTED AT EACH CORNER SURROUNDING THE AIR TERMINAL / MECH. SERVICE WITH (1) #12 GAUGE WIRE HANGER AT EACH CORNER

AIR TERMINALS WEIGHING

LESS THAN 56 LBS.

C

- VERTICAL HANGERS:
 - SUSPENSION WIRES SHALL NOT BE SMALLER THAN #12 GAUGE SPACED AT NOT MORE THAN (4) FEET O.C. OR #10 GAUGE WIRES (5) FEET O.C. ALONG EACH MAIN RUNNER.
 - EACH VERTICAL WIRE SHALL BE ATTACHED TO THE STRUCTURE ABOVE AND TO THE SUSPENSION MEMBER WITH A MINIMUM OF (3) TURNS IN THE FIRST INCH.
 - SUSPENSION WIRES SHALL NOT BE MORE THAN 1" OUT OF PLUMB UNLESS COUNTER SLOPING WIRES ARE PROVIDED.

- PERIMETER HANGERS:
 - THE TERMINAL ENDS OF EACH MAIN RUNNER AND CROSS RUNNER SHALL BE SUPPORTED INDEPENDENTLY A MAXIMUM (8) INCHES FROM EACH WALL OR CEILING DISCONTINUITY WITH #12 GAUGE WIRE OR APPROVED WALL SUPPORT.

PERIMETER MEMBERS:

- UNLESS PERIMETER MEMBERS ARE A STRUCTURAL PART OF THE SYSTEM, WALL ANGLES OR CHANNELS SHALL BE CONSIDERED AS AESTHETIC CLOSURES AND WITH NO STRUCTURAL VALUE. ENDS OF MAIN RUNNERS AND CROSS MEMBERS SHALL BE TIED TOGETHER TO PREVENT SPREADING.

ATTACHMENT OF MEMBERS TO THE PERIMETER:

- MAIN AND CROSS RUNNERS MAY BE CONNECTED TO TWO ADJACENT WALLS WITH CLEARANCE PROVIDED BETWEEN THE WALLS AND RUNNERS AT THE OTHER WALLS.

LATERAL FORCE BRACING:

- HORIZONTAL RESTRAINTS SHALL BE PROVIDED BY (4) #12 GAUGE WIRES SECURED TO THE MAIN RUNNER WITHIN (2) INCHES OF THE CROSS RUNNER INTERSECTION AND SPPLIED AT 90 DEGREE ANGLES TO EACH OTHER AND AT AN ANGLE OF NOT MORE THAN 45 DEGREES FROM THE PLANE OF THE CEILING. A STRUT, ADEQUATE TO RESIST THE VERTICAL FORCES OF THE BRACING WIRES SHALL ALSO BE PROVIDED. STUTS AND HORIZONTAL RESTRAINTS SHALL BE SPACED AT (12) FEET MAXIMUM IN BOTH DIRECTIONS BEGINNING AT NOT MORE THAN (6) FEET FROM EACH WALL. LATERAL FORCE BRACING SHALL BE SPACED A MINIMUM OF (6) INCHES FROM ALL HORIZONTAL PIPING AND DUCTWORK THAT IS NOT PROVIDED WITH BRACING RESTRAINTS.

MECHANICAL SERVICES:

- CEILING MOUNTED AIR TERMINALS OR SERVICES WEIGHING:
 - LESS THAN (20) lbs.: SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION MAIN RUNNERS OR TO CROSS RUNNERS WITH THE SAME CARRYING CAPACITY.

(20) lbs. to (56) lbs.:

IN ADDITION TO THE ABOVE, SHALL HAVE (2) #12 GAUGE HANGERS CONNECTED FROM THE TERMINAL OR SERVICE TO THE CEILING SYSTEM HANGERS OR TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK.

MORE THAN (56) lbs.: SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.

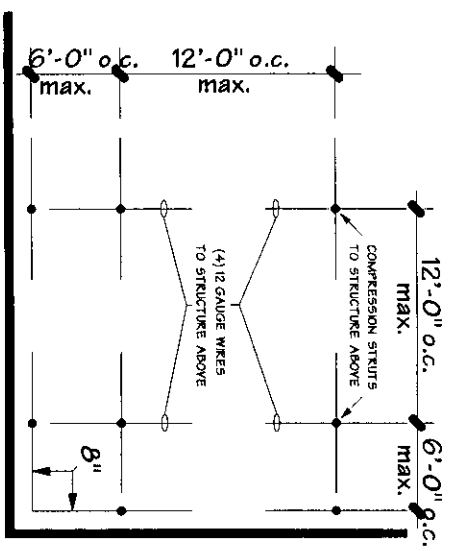
LIGHTING FIXTURES:

- INTERMEDIATE OR HEAVY-DUTY CEILING SYSTEMS ONLY MAY BE USED FOR THE SUPPORT OF LIGHTING FIXTURES.
- ALL LIGHTING FIXTURES SHALL BE POSITIVELY ATTACHED TO THE SUSPENDED CEILING SYSTEM.
- ATTACHMENT DEVICES SHALL HAVE A CAPACITY OF 100 PERCENT OF THE LIGHTING FIXTURE WEIGHT ACTING IN ANY DIRECTION.
- IN ADDITION TO THE REQUIREMENTS OUTLINED ABOVE, LIGHTING FIXTURES WEIGHING: LESS THAN (56) lbs.: SHALL HAVE (2) #12 GAUGE WIRES ATTACHED TO OPPOSITE CORNERS AND WITHIN (3) INCHES OF CORNERS OF EACH FIXTURE AND ATTACHED TO THE STRUCTURE ABOVE. THESE WIRES MAY BE SLACK.

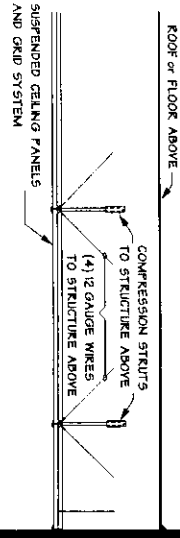
TANDEM FIXTURES MAY USE COMMON SUPPORT WIRES. SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY APPROVED HANGERS.

- (56) lbs. OR MORE: PENDANT HUNG LIGHTING FIXTURES SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE WITH #9 GAUGE WIRE OR APPROVED ALTERNATE SUPPORT WITHOUT USING THE CEILING SUSPENSION SYSTEM FOR DIRECT SUPPORT.

SUSPENDED "T-BAR" CEILING INSTALLATION & SEISMIC BRACING REQUIREMENTS



PLAN VIEW

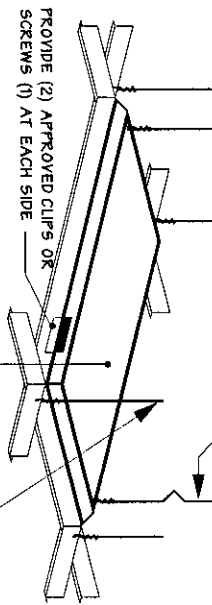


SECTION

SPACING OF SUPPORTS

B

(2) #12 GAUGE HANGERS CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE THESE WIRES MAY BE SLACK



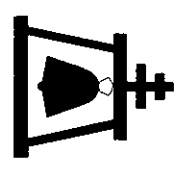
RECESSED LIGHT FIXTURE

T-BAR GRID SHALL BE SUPPORTED AT EACH CORNER SURROUNDING THE LIGHT FIXTURE WITH (1) #12 GAUGE WIRE HANGER AT EACH CORNER

LIGHT FIXTURES WEIGHING

LESS THAN 56 LBS.

D



City of Riverside
Building & Safety Division

TENANT IMPROVEMENT STANDARDS

SCALE
NONE

PGH
6 / 02
DATE

REV
DATE
APPR

1
2
3
4
5

TENANT
IMPROVEMENT
DETAILS

RTI - 1.0

SHEET